

Evaluation of acute and subacute toxicity of *Vernonia cinerea* (L.) Less using mice model

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Supplementary Tables

Table S1 — Estimation of terpenoid yield from various extracts of *Vernonia cinerea* (L.) Less Plant extracts

	Ethyl acetate	Ethanol	Water
Total terpenoid yield (%)	67.66±1.45	15.33±0.88	ND

Data are presented as the mean±SEM. ND- Not Detected.

Table S2 — The effect VCEA administration on relative organ weight (g %) of Swiss albino mice in the sub acute toxicity study

Parameters	Untreated control	Vehicle control (Sunflower oil)	VCEA 50 mg/kg b.wt.	VCEA 100 mg/kg b.wt.
Male				
Liver	4.86±0.40	4.33±0.25	4.60±0.24	4.68±0.17
Kidney	1.43±0.09	1.47±0.09	1.47±0.11	1.45±0.10
Spleen	0.40±0.05	0.35±0.00	0.34±0.07	0.31±0.03
Brain	0.99±0.10	1.27±0.08	1.15±0.09	1.24±0.19
Lungs	0.53±0.03	0.69±0.09	0.51±0.08	0.54±0.03
Stomach	0.72±0.04	0.71±0.03	0.79±0.16	0.78±0.07
Intestine	4.15±0.45	4.00±0.21	4.08±0.45	3.79±0.34
Heart	0.44±0.00	0.44±0.02	0.41±0.06	0.41±0.05
Testis	0.58±0.04	0.53±0.04	0.50±0.11	0.56±0.01
Female				
Liver	4.31±0.038	4.50±0.10	4.04±0.26	4.31±0.12
Kidney	1.07±0.09	1.11±0.38	1.23±0.08	1.22±0.04
Spleen	0.32±0.06	0.36±0.08	0.49±0.11	0.38±0.01
Brain	1.27±0.02	1.36±0.05	1.24±0.11	1.16±0.08
Lungs	0.58±0.07	0.50±0.01	0.64±0.05	0.62±0.06
Stomach	0.74±0.08	0.78±0.08	0.70±0.02	0.73±0.01
Intestine	3.70±0.36	4.60±0.29	4.27±0.62	5.33±0.30
Heart	0.42±0.06	0.36±0.02	0.41±0.05	0.41±0.01
Ovary	0.09±0.03	0.07±0.01	0.09±0.03	0.10±0.02

Data are presented as the mean±SEM. Comparisons were made between vehicle control with the treated groups separately. The symbol (*) represents statistical significance at $P \leq 0.05$, (**) represents statistical significance at $P \leq 0.01$.

Table S3 — Subacute toxicity analysis - Effect of VCEA on food consumption of male mice

Treatments	Food consumption (mL/group of mice/day)			
	Week 1	Week 2	Week 3	Week 4
Vehicle control	15.50±4.26	17.63±1.48	13.75±0.12	16.95±1.86
VCEA 50 mg/kg b.wt.	15.56±2.48	14.03±2.37	13±0.81	15.45±1.59
VCEA 100 mg/kg b.wt.	20.16±3.16	14.46±0.09	16.2±2.20	18.75±0.04

Data are presented as the mean±SEM. Comparisons were made between vehicle control with the treated groups separately. The symbol (*) represents statistical significance at $P \leq 0.05$, (**) represents statistical significance at $P \leq 0.01$

Table S4 — Subacute toxicity analysis - Effect of VCEA on food consumption of female mice

Treatments	Food consumption (mL/group of mice/day)			
	Week 1	Week 2	Week 3	Week 4
Vehicle control	14.03±1.25	10.80±0.85	10.50±1.22	11.00±0.81
VCEA 50 mg/kg b.wt.	11.7±1.30	10.36±0.47	10.05±0.77	10.5±1.22
VCEA 100 mg/kg b.wt.	14.53±0.93	12.26±0.70	11.00±0.81	11.5±0.04

Data are presented as the mean±SEM. Comparisons were made between vehicle control with the treated groups separately. The symbol (*) represents statistical significance at $P \leq 0.05$, (**) represents statistical significance at $P \leq 0.01$

Table S5 — Subacute toxicity analysis - Effect of VCEA on water consumption of male mice

Treatments	Water consumption (mL/group of mice/day)			
	Week 1	Week 2	Week 3	Week 4
Vehicle control	15.66±2.96	13.33±1.66	15.00±0.00	17.50±0.40
VCEA 50 mg/kg b.wt.	18.33±1.76	13.33±1.66	17.50±2.04	117.50±2.04
VCEA 100 mg/kg b.wt.	19.00±2.08	12.66±1.45	17.50±2.04	15.00±4.08

Data are presented as the mean±SEM. Comparisons were made between vehicle control with the treated groups separately. The symbol (*) represents statistical significance at $P \leq 0.05$, (**) represents statistical significance at $P \leq 0.01$

Table S6 — Subacute toxicity analysis - Effect of VCEA on water consumption of female mice

Treatments	Water consumption (mL/group of mice/day)			
	Week 1	Week 2	Week 3	Week 4
Vehicle control	19.33±2.85	16.66±5.36	14.5±4.49	11.50±0.40
VCEA 50 mg/kg b.wt.	16.33±2.60	16.00±3.78	11.5±0.40	10.25±0.20
VCEA 100 mg/kg b.wt.	13.33±1.76	13.66±3.18	12.00±0.40	10.25±0.40

Data are presented as the mean±SEM. Comparisons were made between vehicle control with the treated groups separately. The symbol (*) represents statistical significance at $P \leq 0.05$, (**) represents statistical significance at $P \leq 0.01$